

01263.000276.

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
	:	Examiner: N.Y.A.
QI HE HONG ET AL.)	
	:	Group Art Unit: N.Y.A.
Application No.: N.Y.A.)	
	:	
Filed: Herewith)	
	:	
For: IMAGE PROCESSING)	
APPARATUS	:	February 4, 2004

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed, except for the cited U.S. patent and published patent applications.

For the concise explanation of relevance for the non-English document, the Examiner is referred to the English abstract, and the cited counterpart U.S. patent (6,621,921).

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,


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FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. 01263.000276.		APPLICATION NO. N.Y.A.	
				APPLICANT QI HE HONG ET AL.			
				FILING DATE Herewith		GROUP N.Y.A.	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,621,921	09/16/03	Matsugu et al.	382	154	
		2002/0190982 A1	12/19/02	Kotcheff et al.	345	420	06/10/02
		2002/0085748 A1	07/04/02	Baumberg	382	154	10/19/01
		2002/0050988 A1	05/02/02	Petrov et al.	345	418	03/28/01
		2001/0056308 A1	12/27/01	Petrov et al.	700	98	03/28/01
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	GB	2 369 541 A ✓	05/29/02	United Kingdom	G06T	15/20	
	GB	2 369 260 A ✓	05/22/02	United Kingdom	H04N	5/262	
	EP	1 267 309 A2 ✓	12/18/02	EPO	G06T	17/20	
	EP	0 898 245 A1 ✓	02/24/99	EPO	G06T	7/00	
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
		KUTULAKOS, K., ET AL., "A Theory of Shape by Space Carving," University of Rochester Computer Science Technical Report No. 692 (May 1998), pp. 1-27					
		LÖHLEIN, M., Diplomarbeit, "A Volumetric Intersection Algorithm for 3d-Reconstruction Using a Boundary-Representation," Oct. 1998, at http://i31www.ira.uka.de/diplomarbeiten/da_martin_loehlein/Reconstruction.html					
		SZILVÁSI-NAGY, M., "An Algorithm for Determining the Intersection of Two Simple Polyhedra," North-Holland Computer Graphics Forum 3 (1984), pp. 219-225					
		BLOOMENTHAL, J., "An Implicit Surface Polygonizer," GRAPHIC GEMS IV, Section 8, AP Professional (1994), pp. 324-350, ISBN 0-123361559					
		NIEM, W., "Automatic Reconstruction of 3D Objects Using a Mobile Camera," Image and Vision Computing 17 (1999), pp. 125-134					
		HARTLEY, R.I., "Euclidean Reconstruction from Uncalibrated Views," Applications of Invariance in Computer Vision (Azores 1993), Mundy, Zisserman and Forsyth eds, pp. 237-256					
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	JP	09-170914 A ✓	06/30/97	Japan	G01B	11/24	Abstract and USP 6,621,921
		WO 01/39124 A2 ✓	05/31/01	PCT/WIPO	G06T	7/00	
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
		ILLINGWORTH, J., ET AL., "Looking to Build a Model World: Automatic Construction of Static Object Models Using Computer Vision," Electronics & Communication Engineering Journal (June 1998), pp. 103-113					
		GORTLER, S.J., ET AL., "The Lumigraph," Computer Graphics Proceedings, Annual Conference Series (1996), ACM-0-89791-746-4/96/008, pp. 43-52					
		LORENSEN, W.E., ET AL., "Marching Cubes: A High Resolution 3D Surface Construction Algorithm," Computer Graphics, SIGGRAPH 87 Proceedings, Vol. 21, No. 4 (July 1987), pp. 163-169					
		SZELISKI, R., "Rapid Octree Construction From Image Sequences," CVGIP: Image Understanding (July 1993), Vol. 58, No. 1, pp. 23-32					
		KUTULAKOS, K., ET AL., "What Do N Photographs Tell Us About 3D Shape?," University of Rochester Computer Science Technical Report No. 680 (January 1998), pp. 1-8					
		YEZZI, A.J., ET AL., "Stereoscopic Segmentation," Eighth IEEE International Conference, Computer Vision - ICCV (2001), pp. 59-66, ISBN 0-7695-1143-0					
EXAMINER				DATE CONSIDERED			

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